

## 170M - Size 00, DIN 43620, 1000 V a.c. (IEC and UL), 20 A to 225 A

### Specifications

#### Description

Square body DIN 43620 blade style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

#### Technical data

- Rated voltage:
  - 1000 V a.c. (IEC and UL)
  - 900 V a.c. (200 A and 225A)
- Rated current: 20 A to 225 A
- Breaking capacity: 125kA RMS Sym
- Operating class: aR

#### Standards / Agency information

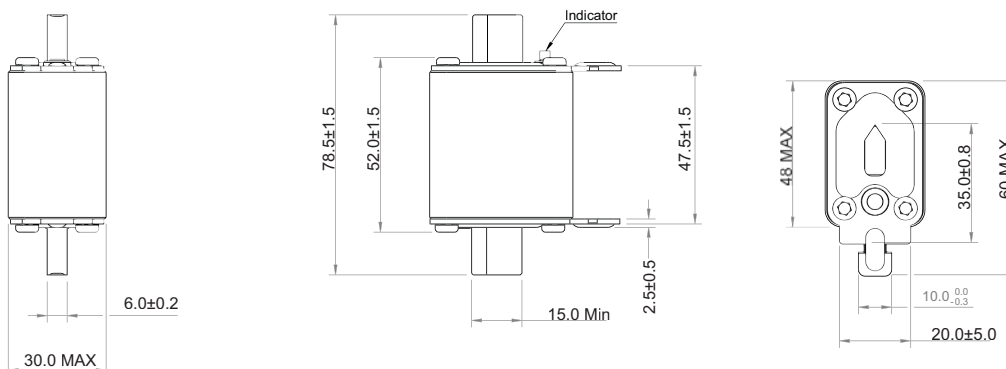
CE, Designed and tested to IEC60269 Part 4, UL Recognised/CSA Component Acceptance status (20 A to 160 A)



#### Catalogue numbers

Fuse link body size	Rated voltage	Rated current Amps)	I <sup>2</sup> t (A <sup>2</sup> Sec)		Watts loss (W)	Catalogue numbers	
			Pre-arcing	Clearing at 1000 V a.c.		Type T indicator for micro	
00	1000 V a.c. (IEC/UL)	20	15	110	8.5	170M2673	
		25	28.5	210	9.5	170M2674	
		32	53	390	11	170M2675	
		35	69	500	12	170M2676	
		40	105	760	13	170M2677	
		50	215	1550	14	170M2678	
		63	380	2750	16	170M2679	
		80	815	5900	18	170M2680	
		100	1550	11,500	21	170M2681	
		125	3000	22,000	23	170M2682	
00	900 V a.c. (IEC)	160	6250	45,000	26	170M2683	
		200	12,000	86,500	31	170M2684	
		225	18,000	115,000	33	170M2685	

#### Dimensions (mm)

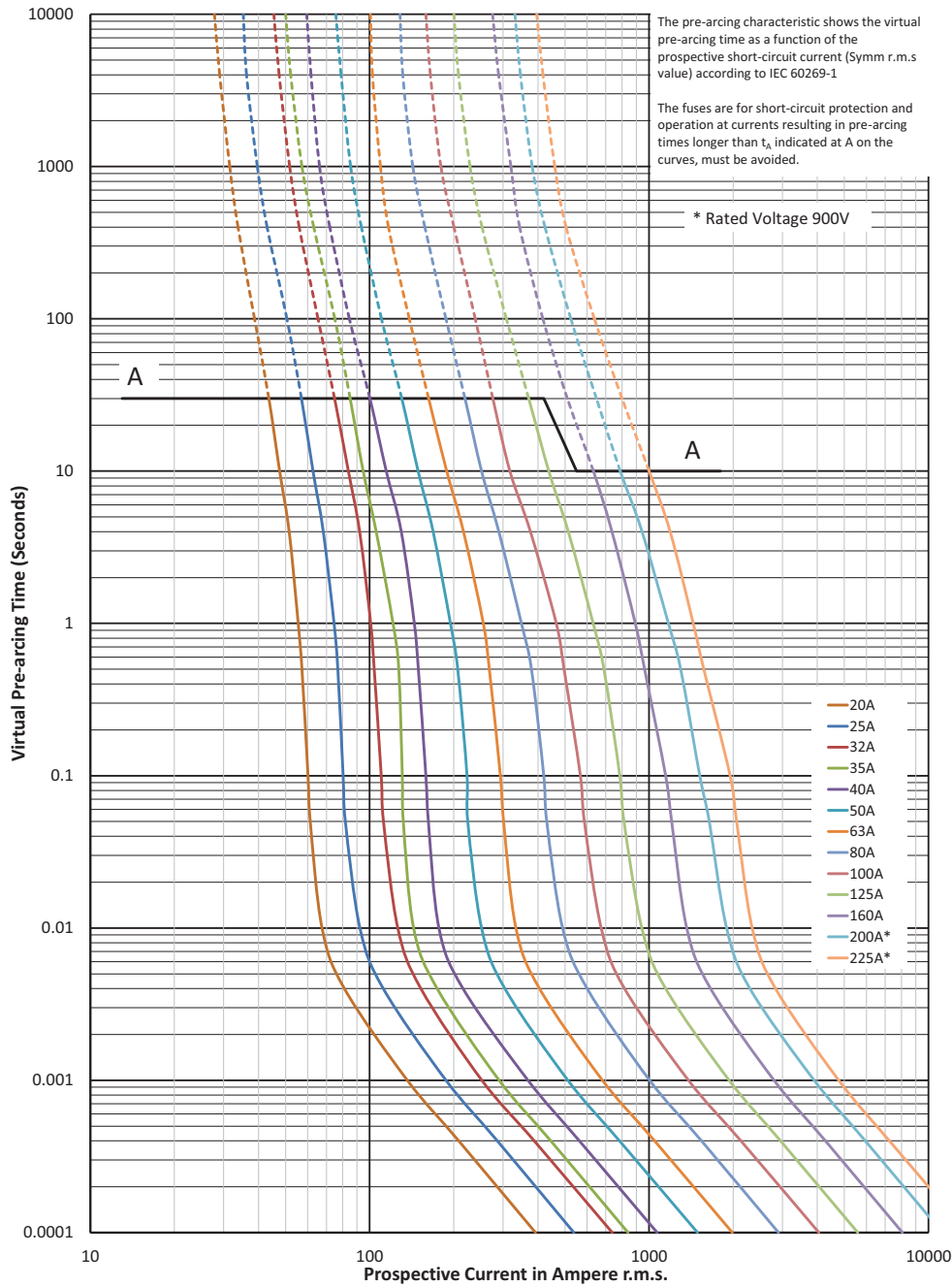


Data sheet: 170K8506

# Square body fuse links

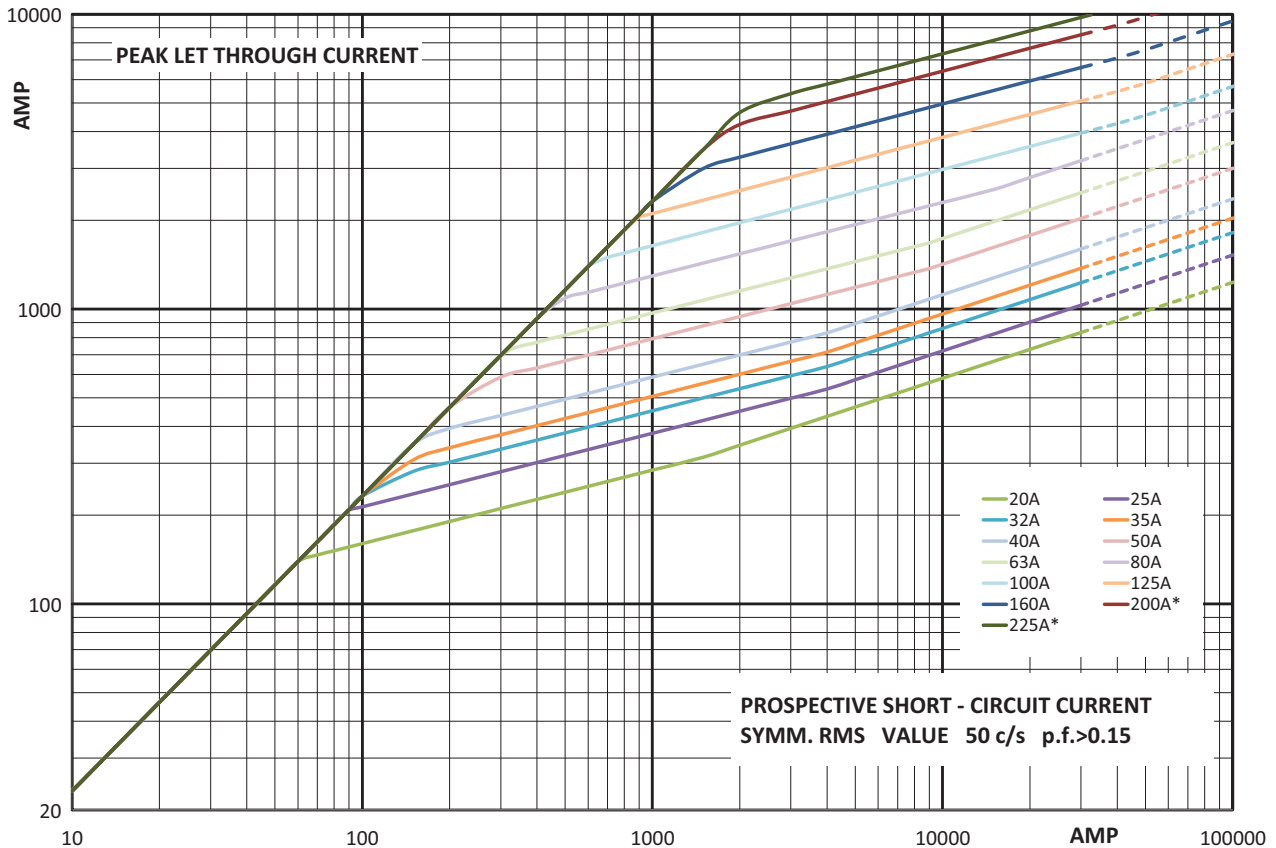
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### Time-current curve - Size 00, 20 A to 225 A



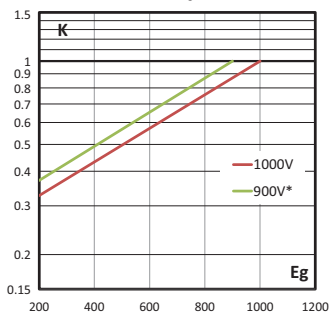
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**Cut-off curve - Size 00, 20 A to 225 A**



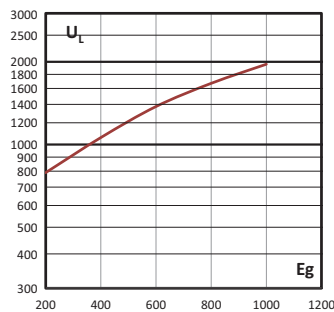
**Total clearing I<sup>2</sup>t**

The total clearing I<sup>2</sup>t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I<sup>2</sup>t is found by multiplying by correction factor, K, given as a function of applied working voltage, E<sub>g</sub>, (RMS).



**Arc voltage**

This curve gives the peak arc voltage, U<sub>L</sub>, which may appear across the fuse during its operation as a function of the applied working voltage, E<sub>g</sub>, (RMS) at a power factor of 15 percent.



**Watts losses**

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K<sub>p</sub>, is given as a function of the RMS load current, I<sub>b</sub>, in percent of the rated current.

